

#4

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/530,798  
Source: PCT  
Date Processed by STIC: 02/06/2006

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 02/06/2006

PATENT APPLICATION: US/10/530,798

TIME: 14:25:33

Input Set : A:\09811.ST25.txt

Output Set: N:\CRF4\02012006\J530798.raw

```

3 <110> APPLICANT: Hunt, John E.
4      Wang, Hong-Wei
5      McNeil, Hugh P.
6      Hasain, Ahsan
8 <120> TITLE OF INVENTION: Tryptase Polypeptide and Uses Thereof
10 <130> FILE REFERENCE: SPRUSON-09811
-> 12 <140> CURRENT APPLICATION NUMBER: US/10/530,798
-> 12 <141> CURRENT FILING DATE: 2005-04-08
12 <160> NUMBER OF SEQ ID NOS: 26
14 <170> SOFTWARE: PatentIn version 3.3
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 235
18 <212> TYPE: PRT
19 <213> ORGANISM: Human delta 2 tryptase
21 <400> SEQUENCE: 1
23 Met Leu Ser Leu Leu Leu Leu Ala Leu Pro Val Leu Ala Ser Pro Ala
24 1      5      10      15
27 Tyr Val Ala Pro Ala Pro Gly Gln Ala Leu Gln Gln Thr Gly Ile Val
28      20      25      30
31 Gly Gly Gln Glu Ala Pro Arg Ser Lys Trp Pro Trp Gln Val Ser Leu
32      35      40      45
35 Arg Val Arg Gly Pro Tyr Trp Met His Phe Cys Gly Gly Ser Leu Ile
36      50      55      60
39 His Pro Gln Trp Val Leu Thr Ala Ala His Cys Val Glu Pro Asp Ile
40 65      70      75      80
43 Lys Asp Leu Ala Ala Leu Arg Val Gln Leu Arg Glu Gln His Leu Tyr
44      85      90      95
47 Tyr Gln Asp Gln Leu Leu Pro Val Ser Arg Ile Ile Val His Pro Gln
48      100     105     110
51 Phe Tyr Ile Ile Gln Thr Gly Ala Asp Ile Ala Leu Leu Glu Leu Glu
52      115     120     125
55 Glu Pro Val Asn Ile Ser Ser His Ile His Thr Val Thr Leu Pro Pro
56      130     135     140
59 Ala Ser Glu Thr Phe Pro Pro Gly Met Pro Cys Trp Val Thr Gly Trp
60 145     150     155     160
63 Gly Asp Val Asp Asn Asn Val His Leu Pro Pro Tyr Pro Leu Lys
64      165     170     175
67 Glu Val Glu Val Pro Val Val Glu Asn His Leu Cys Asn Ala Glu Tyr
68      180     185     190
71 His Thr Gly Leu His Thr Gly His Ser Phe Gln Ile Val Arg Asp Asp
72      195     200     205
75 Met Leu Cys Ala Gly Ser Glu Asn His Asp Ser Cys Gln Gly Asp Ser
76      210     215     220

```

## RAW SEQUENCE LISTING

DATE: 02/06/2006

PATENT APPLICATION: US/10/530,798

TIME: 14:25:33

Input Set : A:\09811.ST25.txt

Output Set: N:\CRF4\02012006\J530798.raw

```

79 Gly Gly Pro Leu Val Cys Lys Val Asn Gly Thr
80 225                230                235
83 <210> SEQ ID NO: 2
84 <211> LENGTH: 235
85 <212> TYPE: PRT
86 <213> ORGANISM: Human delta 1 tryptase
88 <400> SEQUENCE: 2
90 Met Leu Ser Leu Leu Leu Ala Leu Pro Val Leu Ala Ser Pro Ala
91 1          5          10          15
94 Tyr Val Ala Pro Ala Pro Gly Gln Ala Leu Gln Gln Thr Gly Ile Val
95          20          25          30
98 Gly Gly Gln Glu Ala Pro Arg Ser Lys Trp Pro Trp Gln Val Ser Leu
99          35          40          45
102 Arg Val Arg Gly Pro Tyr Trp Met His Phe Cys Gly Gly Ser Leu Ile
103          50          55          60
106 His Pro Gln Trp Val Leu Thr Ala Ala His Cys Met Glu Pro Asp Ile
107 65          70          75          80
110 Lys Asp Leu Ala Ala Leu Arg Val Gln Leu Arg Glu Gln His Leu Tyr
111          85          90          95
114 Tyr Gln Asp Gln Leu Leu Pro Val Ser Arg Ile Ile Val His Pro Gln
115          100         105         110
118 Phe Tyr Ile Ile Gln Thr Gly Ala Asp Ile Ala Leu Leu Glu Leu Glu
119          115         120         125
122 Glu Pro Val Asn Ile Ser Ser His Ile His Thr Val Thr Leu Pro Pro
123          130         135         140
126 Ala Ser Glu Thr Phe Pro Pro Gly Met Pro Cys Trp Val Thr Gly Trp
127 145          150          155          160
130 Gly Asp Val Asp Asn Asn Val His Leu Pro Pro Pro Tyr Pro Leu Lys
131          165          170          175
134 Glu Val Glu Val Pro Val Val Glu Asn His Leu Cys Asn Ala Glu Tyr
135          180          185          190
138 His Thr Gly Leu His Thr Gly His Ser Phe Gln Ile Val Arg Asp Asp
139          195          200          205
142 Met Leu Cys Ala Gly Ser Glu Asn His Asp Ser Cys Gln Gly Asp Ser
143          210          215          220
146 Gly Gly Pro Leu Val Cys Lys Val Asn Gly Thr
147 225                230                235
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 226
152 <212> TYPE: PRT
153 <213> ORGANISM: Human variant delta tryptase
155 <400> SEQUENCE: 3
157 Met Leu Ser Leu Leu Leu Ala Leu Pro Val Leu Ala Ser Pro Ala
158 1          5          10          15
161 Tyr Val Ala Pro Ala Pro Gly Gln Ala Leu Gln Gln Thr Gly Ile Val
162          20          25          30
165 Gly Gly Gln Glu Ala Pro Arg Ser Lys Trp Pro Trp Gln Val Ser Leu
166          35          40          45
169 Arg Val Arg Gly Pro Tyr Trp Met His Phe Cys Gly Gly Ser Leu Ile

```

## RAW SEQUENCE LISTING

DATE: 02/06/2006

PATENT APPLICATION: US/10/530,798

TIME: 14:25:33

Input Set : A:\09811.ST25.txt

Output Set: N:\CRF4\02012006\J530798.raw

```

170      50      55      60
173 His Pro Gln Trp Val Leu Thr Ala Ala His Cys Val Glu Pro Val Gln
174 65      70      75      80
177 Leu Arg Glu Gln His Leu Tyr Tyr Gln Asp Gln Leu Leu Pro Val Ser
178      85      90      95
181 Arg Ile Ile Val His Pro Gln Phe Tyr Ile Ile Gln Thr Gly Ala Asp
182      100      105      110
185 Ile Ala Leu Leu Glu Leu Glu Glu Pro Val Asn Ile Ser Ser His Ile
186      115      120      125
189 His Thr Val Thr Leu Pro Pro Ala Ser Glu Thr Phe Pro Pro Gly Met
190      130      135      140
193 Pro Cys Trp Val Thr Gly Trp Gly Asp Val Asp Asn Asn Val His Leu
194 145      150      155      160
197 Pro Pro Pro Tyr Pro Leu Lys Glu Val Glu Val Pro Val Val Glu Asn
198      165      170      175
201 His Leu Cys Asn Ala Glu Tyr His Thr Gly Leu His Thr Gly His Ser
202      180      185      190
205 Phe Gln Ile Val Arg Asp Asp Met Leu Cys Ala Gly Ser Glu Asn His
206      195      200      205
209 Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Lys Val Asn
210      210      215      220
213 Gly Thr
214 225

```

217 &lt;210&gt; SEQ ID NO: 4

218 &lt;211&gt; LENGTH: 18

219 &lt;212&gt; TYPE: DNA

220 &lt;213&gt; ORGANISM: Artificial Sequence

222 &lt;220&gt; FEATURE:

223 &lt;223&gt; OTHER INFORMATION: Synthetic

225 &lt;400&gt; SEQUENCE: 4

226 cccgtcctgg cgagcccg

18

229 &lt;210&gt; SEQ ID NO: 5

230 &lt;211&gt; LENGTH: 19

231 &lt;212&gt; TYPE: DNA

232 &lt;213&gt; ORGANISM: Artificial Sequence

234 &lt;220&gt; FEATURE:

235 &lt;223&gt; OTHER INFORMATION: Synthetic

237 &lt;400&gt; SEQUENCE: 5

238 cagtgaccca ggtggacac

19

241 &lt;210&gt; SEQ ID NO: 6

242 &lt;211&gt; LENGTH: 19

243 &lt;212&gt; TYPE: DNA

244 &lt;213&gt; ORGANISM: Artificial Sequence

246 &lt;220&gt; FEATURE:

247 &lt;223&gt; OTHER INFORMATION: Synthetic

249 &lt;400&gt; SEQUENCE: 6

250 agtggccagg atgctgagc

19

253 &lt;210&gt; SEQ ID NO: 7

254 &lt;211&gt; LENGTH: 21

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/530,798

DATE: 02/06/2006  
 TIME: 14:25:33

Input Set : A:\09811.ST25.txt  
 Output Set: N:\CRF4\02012006\J530798.raw

```

255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Synthetic
261 <400> SEQUENCE: 7
262 tttggacagg aggggctggc t 21
265 <210> SEQ ID NO: 8
266 <211> LENGTH: 18
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Synthetic
273 <400> SEQUENCE: 8
274 gagcaagtgg ccctggca 18
277 <210> SEQ ID NO: 9
278 <211> LENGTH: 20
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Synthetic
285 <400> SEQUENCE: 9
286 ggacatagtg gtggatccag 20
289 <210> SEQ ID NO: 10
290 <211> LENGTH: 21
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Synthetic
297 <400> SEQUENCE: 10
298 tgcagcaaac gggcattggt g 21
301 <210> SEQ ID NO: 11
302 <211> LENGTH: 21
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Synthetic
309 <400> SEQUENCE: 11
310 aaagctgtgg cccgtatgga g 21
313 <210> SEQ ID NO: 12
314 <211> LENGTH: 20
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Synthetic
321 <400> SEQUENCE: 12
322 ggccacagct ttcaaactgt 20
325 <210> SEQ ID NO: 13
326 <211> LENGTH: 22
327 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 02/06/2006

PATENT APPLICATION: US/10/530,798

TIME: 14:25:33

Input Set : A:\09811.ST25.txt

Output Set: N:\CRF4\02012006\J530798.raw

```

328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Synthetic
333 <400> SEQUENCE: 13
334 gcagtttaggt gccattcacc tt                22
337 <210> SEQ ID NO: 14
338 <211> LENGTH: 23
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Synthetic
345 <400> SEQUENCE: 14
346 cctgccaggg tgactccgga ggg                23
349 <210> SEQ ID NO: 15
350 <211> LENGTH: 17
351 <212> TYPE: PRT
352 <213> ORGANISM: Artificial Sequence
354 <220> FEATURE:
355 <223> OTHER INFORMATION: Synthetic
357 <400> SEQUENCE: 15
359 Tyr His Thr Gly Leu His Thr Gly His Ser Phe Gln Ile Val Arg Asp
360 1          5          10          15
363 Asp
367 <210> SEQ ID NO: 16
368 <211> LENGTH: 49
369 <212> TYPE: DNA
370 <213> ORGANISM: Artificial Sequence
372 <220> FEATURE:
373 <223> OTHER INFORMATION: Synthetic
375 <400> SEQUENCE: 16
376 caccatgatt gttggggggc aggaggcccc caggagcaag tggccctgg    49
379 <210> SEQ ID NO: 17
380 <211> LENGTH: 18
381 <212> TYPE: DNA
382 <213> ORGANISM: Artificial Sequence
384 <220> FEATURE:
385 <223> OTHER INFORMATION: Synthetic
387 <400> SEQUENCE: 17
388 ggtgccattc accttgca                18
391 <210> SEQ ID NO: 18
392 <211> LENGTH: 21
393 <212> TYPE: DNA
394 <213> ORGANISM: Artificial Sequence
396 <220> FEATURE:
397 <223> OTHER INFORMATION: Synthetic
399 <400> SEQUENCE: 18
400 tgcagcaaac gggcattgtt g                21
403 <210> SEQ ID NO: 19
404 <211> LENGTH: 21

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/530,798

DATE: 02/06/2006

TIME: 14:25:34

Input Set : A:\09811.ST25.txt

Output Set: N:\CRF4\02012006\J530798.raw

12 M:270 C: Current Application Number differs, Replaced Current Application No

12 M:271 C: Current Filing Date differs, Replaced Current Filing Date